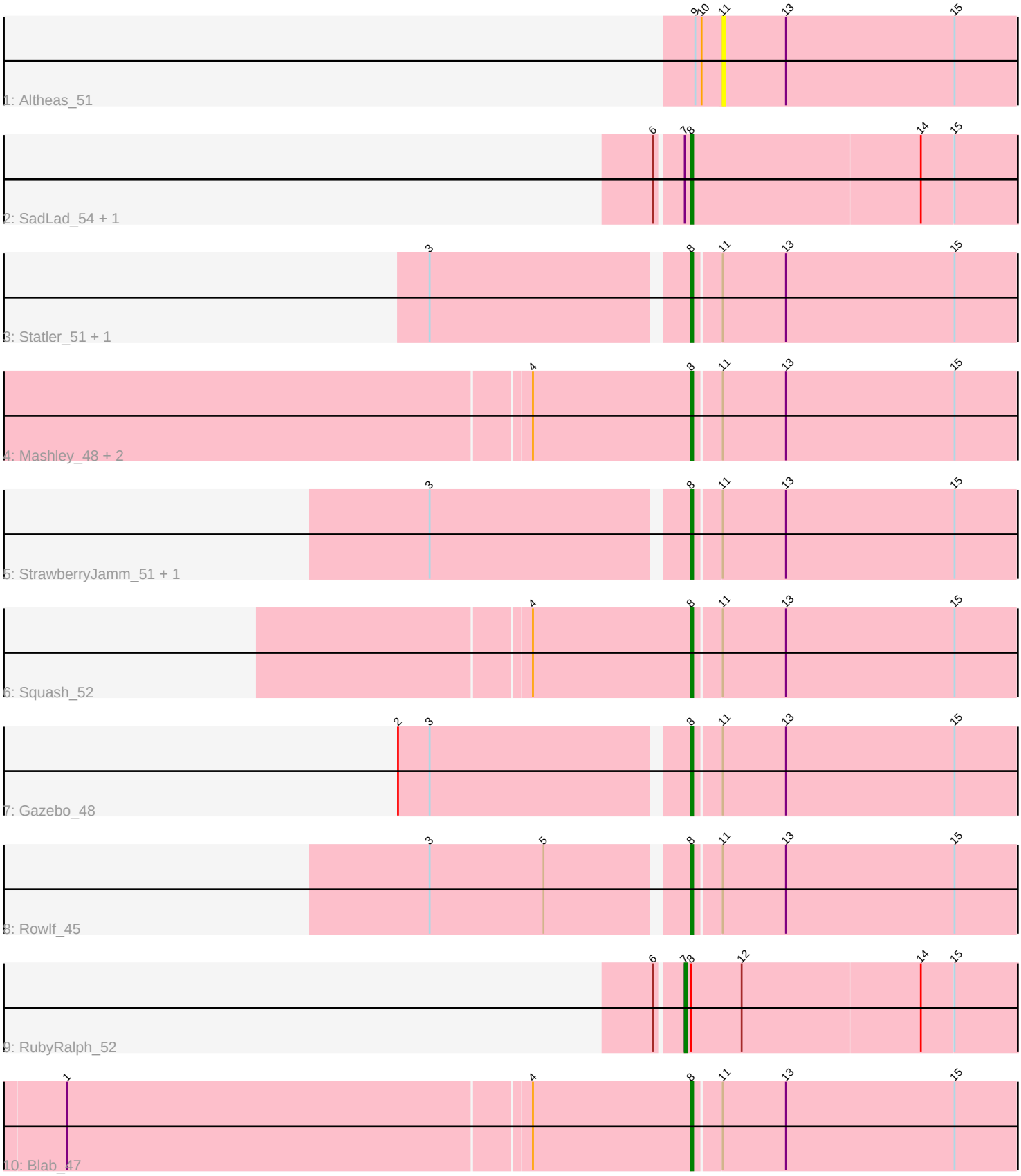
Pham 194437


9
10
11
13
15
1: Altheas_51
6
7
8
14
15
2: SadLad_54 + 1
3
8
11
13
15
3: Statler_51 + 1
4
8
11
13
15
4: Mashley_48 + 2
3
8
11
13
15
5: StrawberryJamm_51 + 1
4
8
11
13
15
6: Squash_52
2
3
8
11
13
15
7: Gazebo_48
3
5
8
11
13
15
8: Rowlf_45
6
7
8
12
14
15
9: RubyRalph_52
1
4
8
11
13
15
10: Blab_47

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 194437 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194437 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Altheas_51
• Track 2 : SadLad_54, Fransoyer_52
• Track 3 : Statler_51, BabyDotz_48
• Track 4 : Mashley_48, Hyperion_49, AluminumJesus_47
• Track 5 : StrawberryJamm_51, Grassboy_50
• Track 6 : Squash_52
• Track 7 : Gazebo_48
• Track 8 : Rowlf_45
• Track 9 : RubyRalph_52
• Track 10 : Blab_47

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 8, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_47, BabyDotz_48, Blab_47, Fransoyer_52, Gazebo_48, Grassboy_50, Hyperion_49, Mashley_48, Rowlf_45, SadLad_54, Squash_52, Statler_51, StrawberryJamm_51,

Genes that have the "Most Annotated" start but do not call it:
• RubyRalph_52,

Genes that do not have the "Most Annotated" start:
• Altheas_51,

Summary by start number:

Start 7:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 33.3% of time when present
• Phage (with cluster) where this start called: RubyRalph_52 (EG),

Start 8:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 92.9% of time when present
• Phage (with cluster) where this start called: AluminumJesus_47 (EG), BabyDotz_48 (EG), Blab_47 (EG), Fransoyer_52 (EG), Gazebo_48 (EG), Grassboy_50 (EG), Hyperion_49 (EG), Mashley_48 (EG), Rowlf_45 (EG), SadLad_54 (EG), Squash_52 (EG), Statler_51 (EG), StrawberryJamm_51 (EG),

Start 11:
• Found in 12 of 15 (80.0%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Altheas_51 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 7 was manually annotated 1 time for cluster EG.
•Start number 8 was manually annotated 12 times for cluster EG.

Gene Information:

Gene: Altheas_51 Start: 37236, Stop: 37060, Start Num: 11
Candidate Starts for Altheas_51:
(9, 37248), (10, 37245), (11, 37236), (13, 37206), (15, 37128),

Gene: AluminumJesus_47 Start: 36846, Stop: 36658, Start Num: 8
Candidate Starts for AluminumJesus_47:
(4, 36921), (Start: 8 @36846 has 12 MA's), (11, 36834), (13, 36804), (15, 36726),

Gene: BabyDotz_48 Start: 37658, Stop: 37470, Start Num: 8
Candidate Starts for BabyDotz_48:
(3, 37775), (Start: 8 @37658 has 12 MA's), (11, 37646), (13, 37616), (15, 37538),

Gene: Blab_47 Start: 36759, Stop: 36571, Start Num: 8
Candidate Starts for Blab_47:
(1, 37050), (4, 36834), (Start: 8 @36759 has 12 MA's), (11, 36747), (13, 36717), (15, 36639),

Gene: Fransoyer_52 Start: 39197, Stop: 38997, Start Num: 8
Candidate Starts for Fransoyer_52:
(6, 39212), (Start: 7 @39200 has 1 MA's), (Start: 8 @39197 has 12 MA's), (14, 39089), (15, 39074),

Gene: Gazebo_48 Start: 37257, Stop: 37069, Start Num: 8
Candidate Starts for Gazebo_48:
(2, 37389), (3, 37374), (Start: 8 @37257 has 12 MA's), (11, 37245), (13, 37215), (15, 37137),

Gene: Grassboy_50 Start: 37309, Stop: 37121, Start Num: 8

Candidate Starts for Grassboy_50:
(3, 37426), (Start: 8 @37309 has 12 MA's), (11, 37297), (13, 37267), (15, 37189),

Gene: Hyperion_49 Start: 37261, Stop: 37073, Start Num: 8
Candidate Starts for Hyperion_49:
(4, 37336), (Start: 8 @37261 has 12 MA's), (11, 37249), (13, 37219), (15, 37141),

Gene: Mashley_48 Start: 37100, Stop: 36912, Start Num: 8
Candidate Starts for Mashley_48:
(4, 37175), (Start: 8 @37100 has 12 MA's), (11, 37088), (13, 37058), (15, 36980),

Gene: Rowlf_45 Start: 36548, Stop: 36360, Start Num: 8
Candidate Starts for Rowlf_45:
(3, 36665), (5, 36611), (Start: 8 @36548 has 12 MA's), (11, 36536), (13, 36506), (15, 36428),

Gene: RubyRalph_52 Start: 39129, Stop: 38926, Start Num: 7
Candidate Starts for RubyRalph_52:
(6, 39141), (Start: 7 @39129 has 1 MA's), (Start: 8 @39126 has 12 MA's), (12, 39102), (14, 39018), (15, 39003),

Gene: SadLad_54 Start: 40069, Stop: 39869, Start Num: 8
Candidate Starts for SadLad_54:
(6, 40084), (Start: 7 @40072 has 1 MA's), (Start: 8 @40069 has 12 MA's), (14, 39961), (15, 39946),

Gene: Squash_52 Start: 37458, Stop: 37270, Start Num: 8
Candidate Starts for Squash_52:
(4, 37533), (Start: 8 @37458 has 12 MA's), (11, 37446), (13, 37416), (15, 37338),

Gene: Statler_51 Start: 37345, Stop: 37157, Start Num: 8
Candidate Starts for Statler_51:
(3, 37462), (Start: 8 @37345 has 12 MA's), (11, 37333), (13, 37303), (15, 37225),

Gene: StrawberryJamm_51 Start: 36742, Stop: 36554, Start Num: 8
Candidate Starts for StrawberryJamm_51:
(3, 36859), (Start: 8 @36742 has 12 MA's), (11, 36730), (13, 36700), (15, 36622),